# Mala Das

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6244464/publications.pdf

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| 26 | 236 | 933447 10 | 1058476 14 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 26 | 26 | 26 | 58 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Superheated drop as a neutron spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 273-279. | 1.6 | 34 |
| 2 | Study of low frequency acoustic signals from superheated droplet detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 182-187. | 1.6 | 16 |
| 3 | How high can the temperature of a liquid be raised without boiling?. Physical Review E, 2000, 62, 5843-5846. | 2.1 | 15 |
| 4 | Estimation of nucleation parameter for neutron-induced nucleation in superheated emulsion. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 531, 577-584. | 1.6 | 15 |
| 5 | Threshold temperatures of heavy ion-induced nucleation in superheated emulsions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 543, 570-576. | 1.6 | 15 |
| 6 | Use of basic principle of nucleation in determining temperatureâ€“threshold neutron energy relationship in superheated emulsions. Radiation Physics and Chemistry, 2003, 66, 323-328. | 2.8 | 14 |
| 7 | Neutron-gamma discrimination by pulse analysis with superheated drop detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 196-199. | 1.6 | 13 |
| 8 | Threshold temperature for Î³-ray detection in superheated drop detector. Radiation Physics and Chemistry, 2001, 61, 509-510. | 2.8 | 12 |
| 9 | Superheated emulsions in neutron spectrometry by varying ambient pressure. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 536, 123-130. | 1.6 | 12 |
| 10 | Radiation linear energy transfer and drop size dependence of the low frequency signal from tiny superheated droplets. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 837, 92-98. | 1.6 | 11 |
| 11 | Efficiency of neutron detection of superheated drops of Freon-22. Radiation Measurements, 1999, 30, 35-39. | 1.4 | 10 |
| 12 | A sensitive neutron dosimeter using superheated liquid. Applied Radiation and Isotopes, 2000, 53, 759-763. | 1.5 | 9 |
| 13 | Application of superheated emulsion in neutron spectrometry at 45MeV electron linac. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 517, 34-41. | 1.6 | 8 |
| 14 | The threshold of gamma-ray induced bubble nucleation in superheated emulsion. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 931, 44-51. | 1.6 | 8 |
| 15 | Superheated drops of R114â€”as a neutron spectrometer. Radiation Physics and Chemistry, 2001, 61, 447-448. | 2.8 | 7 |
| 16 | An active drop counting device using condenser microphone for superheated emulsion detector. Review of Scientific Instruments, 2008, 79, 113301. | 1.3 | 7 |
| 17 | FPGA-based multi-channel data acquisition system for Superheated Emulsion Detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1009, 165457. | 1.6 | 6 |
| 18 | Photon sensitivity of superheated drop at room temperature. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 455, 782-783. | 1.6 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Nucleation efficiency of R134a as a sensitive liquid for superheated drop emulsion detector. Pramana - Journal of Physics, 2010, 75, 675-682. | 1.8 | 5 |
| 20 | Probing low-mass WIMP candidates of dark matter with tetrafluoroethane superheated liquid detectors. Physical Review D, 2020, 101, . | 4.7 | 3 |
| 21 | The adequacy of energy deposition over thermodynamic behaviour in explaining the acoustic energy in bubble nucleation of superheated droplets. Radiation Physics and Chemistry, 2021, 187, 109578. | 2.8 | 3 |
| 22 | Discrimination of neutron and gamma ray induced nucleation events at high frequency in R134a superheated emulsion. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1025, 166186. | 1.6 | 3 |
| 23 | Searching for universal behaviour in superheated droplet detector with effective recoil nuclei. Pramana - Journal of Physics, 2013, 80, 983-994. | 1.8 | 2 |
| 24 | Threshold ss of superheated emulsion detector to heavy ions. Radiation Measurements, 2008, 43, S62-S64. | 1.4 | 1 |
| 25 | Detection of bubble nucleation event in superheated drop detector by the pressure sensor. Pramana - Journal of Physics, 2017, 88, 1. | 1.8 | 1 |
| 26 | The background study at 555 m deep underground with superheated emulsion detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1008, 165450. | 1.6 | 1 |